

the outer surface of the glass tube in the almost overall length of an axial direction of the tube and one end of the conductor is connected and fixed to the second feeding lead wire.

12. A fluorescent lamp according to claim 11, wherein the outer surface of the glass tube including said outer electrode is covered by a translucent resin film layer, thereby said outer electrode is fixed to the outer surface of the glass tube to form an integral body.

13. A fluorescent lamp according to claim 12, wherein the discharge medium is xenon-gas or a mixture of xenon-gas and at least other rare gas.

#### Abstract of the Disclosure

A fluorescent lamp of the present invention has a fluorescent substance film formed on an inner surface and a discharge medium containing xenon-gas filled in the glass tube having sealing portions at both ends. In one end of the glass tube, an inner electrode is arranged. A first feeding lead wire is connected to the inner electrode penetrating one of the sealing portion with airtight. On the outer surface of the glass tube, an outer electrode composed of a conductor spirally wound around it along the axial direction of the tube. At the other end of the glass tube, a second feeding lead wire is buried in the sealing

portion at one end and the other end is lead out of the glass tube. An end of the outer electrode is electrically connected and mechanically fixed to the second feeding lead wire. Further, an outer surface of the outer electrode including the glass tube is covered with a translucent resin film layer and thereby, the outer electrode is fixed to the outer surface of the glass tube integrally.

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